

Converting Colors

CIELCh(84, 18.746, 229.071)

Have a look what the booklet for
CIELCh(84, 18.746, 229.071)
contains.

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Color

CIELCh(84, 18.746, 229.071)

Conversions

Conversions Part 1

Format	Color
Hex	A6D9EB
RGB	166, 217, 235
RGB Percent	65%, 85%, 92%
CMY	0.3471, 0.1471, 0.0765
CMYK	0.29, 0.08, 0.00, 0.08
HSL	196°, 64%, 79%
HSV	196°, 29%, 92%
XYZ	55.8347, 64.0658, 88.3981
YIQ	203.8030, -36.1740, -5.2140

Conversions

Conversions Part 2

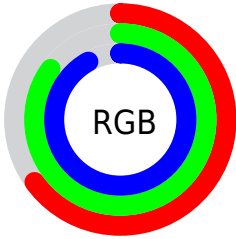
Format	Color
RYB	166, 195, 235
Decimal	10934763
CIELab	84.00, -12.28, -14.16
CIELCh	84, 18.746, 229.071
Yxy	64.0658, 0.2681, 0.3076
Android (android.graphics.Color)	4289124843 (0xFFA6D9EB)
YUV	203.8030, 15.3801, -33.1532
Hunter-Lab	80.0411, -15.5548, -9.4517

Details

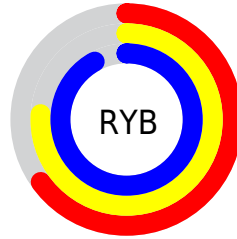
The CIELCh color **84, 18.746, 229.071** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 22.672, 45.549**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.153, 198.761**, and **64, 18.669, 228.982** is the 20% darker color. If you saturate the color by 10%, you get **81, 24.251, 230.359**, and if you desaturate by 10%, it is **87, 12.729, 228.083**.

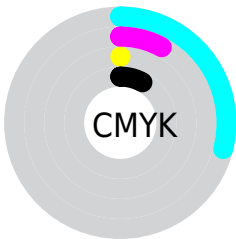
Distribution



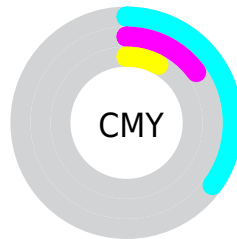
- Red (65%)
- Green (85%)
- Blue (92%)



- Red (65%)
- Yellow (76%)
- Blue (92%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)





- Cyan (35%)
- Magenta (15%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 18.746, 229.071 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 84, 18.746, 229.071 by changing the saturation by 10% instead.


 84, 18.746,
229.071


 84, 18.746,
229.071


 100, 18.746,
229.071


 74, 18.746,
229.071

 64, 18.746,
229.071

 54, 18.746,
229.071

 44, 18.746,
229.071

 34, 18.746,
229.071

 24, 18.746,
229.071

 14, 18.746,

229.071

■ 4, 18.746, 229.071

■ 0, 18.746, 229.071

■ 84, 18.746,
229.071

■ 84, 18.746,
229.071

■ 81, 24.251,
230.359

■ 87, 12.729,
228.083

■ 78, 29.155,
232.032

■ 90, 6.293, 227.370

■ 76, 33.381,
234.173

■ 93, 0.476, 45.459

■ 73, 36.890,
236.879

■ 96, 5.716, 55.426

■ 71, 39.697,

■ 98, 6.892, 88.931

■ 99, 9.551, 108.067

240.235

100, 9.871,
109.430

69, 41.900,
244.295

67, 43.720,
248.967

67, 43.849,
249.293

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84, 18.746, 229.071



79, 22.672, 45.549

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 18.746, 229.071



84, 18.746, 279.071



84, 18.746, 49.071



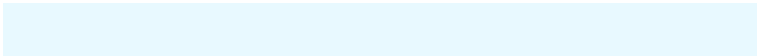
84, 18.746, 99.071

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84, 18.746, 229.066



97, 6.496, 227.356



88, 36.726, 150.039



51, 4.499, 227.440



0, 0.000, 0.000



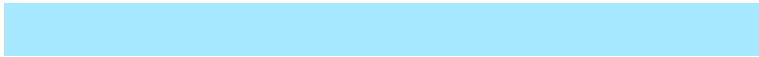
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 18.746, 229.066



88, 23.399, 229.780



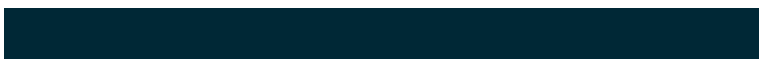
75, 28.304, 281.537



48, 3.828, 227.379



52, 35.813, 248.401



14, 14.758, 240.424

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76, 36.708, 334.779



79, 46.642, 335.227



87, 27.721, 93.639



46, 7.049, 333.345



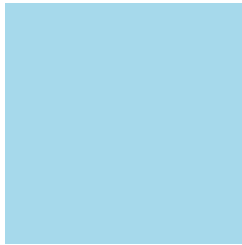
40, 73.274, 342.072



8, 32.234, 339.554

Previews

White Background



This preview shows how the CIELCh color 84, 18.746, 229.071 looks on a white background.

Color Contrast Check

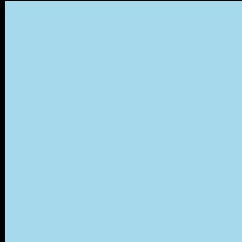
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 84, 18.746, 229.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 18.746, 229.071

Background



This preview shows how black text looks on a background with the CIELCh color 84, 18.746, 229.071.

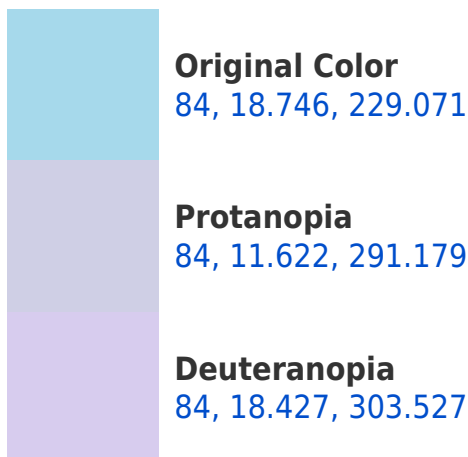



This preview shows how white text looks on a background with the CIELCh color 84, 18.746, 229.071.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
84, 18.789, 227.083

Trichromacy



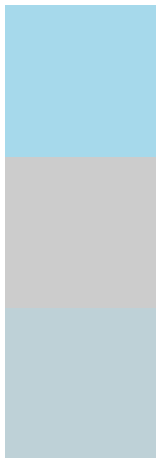
Original Color
84, 18.746, 229.071

Protanomaly
84, 12.218, 259.202

Deuteranomaly
84, 15.222, 276.024

Tritanomaly
84, 18.789, 227.083

Monochromacy



Original Color
84, 18.746, 229.071

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 7.307, 224.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 18.746, 229.071 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 217, 235)` looks like.

```
.text, #text, p{  
    color:rgb(166, 217, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 217, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 217, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 18.746, 229.071 is called "border". The border property can be set on classes, ids or directly on the HTML element.

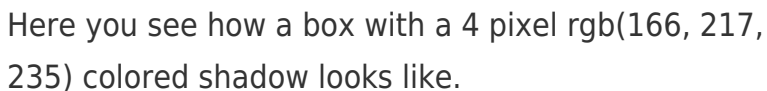
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 217, 235) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 217, 235) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(166, 217, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 217, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 217, 235); box-shadow:4px 4px 4px 4px rgb(166, 217, 235) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 18.746, 229.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 217, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
217, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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